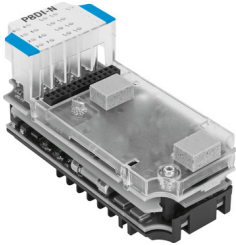


Input module CPX-P-8DE-N-IS

Part number: 565934

FESTO



Data sheet

Feature	Value
Dimensions W x L x H	(incl. interlinking block and connection system) 50 mm x 107 mm x 70 mm
Width dimension	50 mm
Type code	CPX-P
No. of inputs	8
Diagnostics	Wire break per channel Limit value violation per channel Short circuit per channel Parameterization error
Parameterization	Data format Input debouncing time per channel Input function per channel Replacement value in diagnostic case per channel Signal extension time per channel Gate time per channel Limit value monitoring per channel Short circuit monitoring per channel Parameter monitoring Counter configuration per channel Upper limit per channel Lower limit value per channel Wire break monitoring per channel
Reverse polarity protection	for operating voltage
Additional functions	Frequency measurement Counter function
Control elements	DIL switch
LED indicators	1 group diagnostics 8 channel diagnostics 8 channel status
Input debounce time	3 ms (0 ms, 10 ms, 20 ms parameterizable)
Fuse protection (short circuit)	Per channel
Intrinsic current consumption at nominal operating voltage	Typ. 75 mA
Max. power output Po	0.042 W
Max. output voltage Vo	10 V
Max. output current Io	0.017 A
Max. external inductance Lo	125 mH
Max. external capacitance Co	3000 nF
Nominal operating voltage DC	24 V
Power failure buffering	20 ms
Electrical isolation between channel and internal bus	yes
Electrical isolation between channels	no

Feature	Value
Residual ripple	0.4 Vss
Switching level	as per EN 60947-5-6
Permissible voltage fluctuations	+/- 25 %
ATEX category gas	II (1) G
Type of ignition protection for gas	[Ex ia Ga] IIC
ATEX category for dust	II (1) D
Type of (ignition) protection for dust	[Ex ia Da] IIIC
Explosion protection certification outside the EU	EPL Da (BR) EPL Da (IEC-EX) EPL Ga (BR) EPL Ga (IEC-EX)
Explosive ambient temperature	-5°C ≤ Ta ≤ +70°C
Certificate issuing authority	DNV 15.0192 X IECEX ZLM 12.0007 X ZELM 12 ATEX 0500 X
Explosion prevention and protection	Zone 0 (BR) Zone 20 (BR) Zone 0 (IEC-EX) Zone 20 (IEC-EX)
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
Storage temperature	-20 °C ... 70 °C
Relative air humidity	95 % Non-condensing
Degree of protection	Depends on manifold block
Ambient temperature	-5 °C ... 50 °C
Product weight	100 g
Input characteristics	as per EN 60947-5-6
Max. cable length	200 m
Type of mounting	On interlinking block CPX-M-GE...
Note on materials	RoHS-compliant
Housing material	PA-reinforced PC